

CLAIMS

What is claimed is:

1. A method of manufacturing a memory module comprising:
5 reading an operating current value from a database, wherein the operating current value corresponds to a volatile memory device;

storing the operating current value in a non-volatile memory device; and

forming a memory module comprising each of the volatile memory device and the non-volatile memory device.

10 2. The method of manufacturing, as set forth in claim 1, comprising:

measuring the operating current value in the volatile memory device; and

storing the operating current value in the database, wherein the operating current value is stored by a chip identification number uniquely corresponding to
15 the volatile memory device.

3. The method of manufacturing, as set forth in claim 1, wherein reading the operating current value comprises accessing the database via the Internet.

20 4. The method of manufacturing, as set forth in claim 1, wherein reading the operating current value comprises accessing the database, wherein the database is stored on a compact disk.

5. The method of manufacturing, as set forth in claim 1, wherein reading comprises reading the operating current value, wherein the operating current value corresponds to a dynamic random access memory device.

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6. The method of manufacturing, as set forth in claim 1, wherein storing comprises storing the operating current value in a serial presence detect device.

7. The method of manufacturing, as set forth in claim 1, wherein forming comprises forming a dual inline memory module.

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8. A method of configuring a system comprising:
reading a chip identification number from a memory device; and
reading operating current values from a database, wherein the operating current
values uniquely correspond to the chip identification number.

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9. The method of configuring a system, as set forth in claim 8, comprising:
setting the memory device to operate at a nominal speed; and
resetting the memory device to operate at a high speed after reading the operating
current values from the database.

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10. The method of configuring a system, as set forth in claim 8, wherein
reading the operating current values comprises accessing the database via the Internet.

11. The method of configuring a system, as set forth in claim 8, wherein
5 reading the operating current values comprises accessing the database on a compact disk.

12. The method of configuring a system, as set forth in claim 8, comprising
configuring the system in accordance with the operating current values.

10 13. The method of configuring a system, as set forth in claim 8, comprising
programming a non-volatile memory device in accordance with the operating current
values.

14. A memory module comprising:
15 a plurality of volatile memory devices; and

a non-volatile memory device having operating current values stored thereon, the
operating current values being retrieved from a database and stored on the
non-volatile memory device, and wherein the operating current values
uniquely correspond to the plurality of volatile memory devices.

20 15. The memory module, as set forth in claim 14, wherein each of the plurality
of volatile memory devices comprises a dynamic random access memory device.

16. The memory module as set forth in claim 14, wherein the memory module comprises a dual inline memory module.

5 17. The memory module as set forth in claim 14, wherein the non-volatile memory device comprises a serial presence detect device.

18. A system comprising:

a processor; and

10 a memory module coupled to the processor and comprising:

a plurality of volatile memory devices; and

a non-volatile memory device having operating current values stored

thereon, the operating current values being downloaded from a

database to the non-volatile memory device and corresponding to

15 the plurality of volatile memory devices.

19. The system, as set forth in claim 18, wherein each of the plurality of volatile memory devices comprises a dynamic random access memory device.

20 20. The memory module as set forth in claim 18, wherein the memory module comprises a dual inline memory module.

21. The memory module as set forth in claim 18, wherein the non-volatile memory device comprises a serial presence detect device.

5 22. A system comprising:
a processor; and
a memory module coupled to the processor and comprising a plurality of memory devices, wherein the system is configured to access a database and further configured to access operating current values from the database, the
10 operating current values uniquely corresponding to one of the plurality of memory devices.

23. The system, as set forth in claim 22, wherein each of the plurality of volatile memory devices comprises a dynamic random access memory device.

15 24. The memory module as set forth in claim 22, wherein the memory module comprises a dual inline memory module.

25. The memory module as set forth in claim 22, wherein the non-volatile
20 memory device comprises a serial presence detect device.

26. The system as set forth in claim 22, wherein the system is configured to
access the database via the Internet.

27. The system as set forth in claim 22, wherein the system is configured to
5 access the database on a compact disk.

28. A method comprising:
booting a system comprising a memory device;
accessing a database comprising operating current values uniquely corresponding
10 to the memory device; and
setting a memory access speed in the system in accordance with the operating
current values.

29. The method, as set forth in claim 28, wherein accessing comprises
15 accessing the database via the Internet.

30. The method, as set forth in claim 28, wherein accessing comprises
accessing the database on a compact disk.